

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/053653

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G02F1/365

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G02F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DATABASE INSPEC 'Online! THE INSTITUTION OF ELECTRICAL ENGINEERS, STEVENAGE, GB; September 2003 (2003-09), TOWN G E ET AL: "Optical supercontinuum generation from nanosecond pump pulses in an irregularly microstructured air-silica optical fiber" XP002326599 Database accession no. 7855768 abstract	1-20
X	& Applied Physics B (Lasers and Optics) Springer-Verlag Germany, vol. B77, no. 2-3, September 2003 (2003-09), pages 235-238, ISSN: 0946-2171 the whole document	1-20

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

G document member of the same patent family

Date of the actual completion of the international search

29 April 2005

Date of mailing of the international search report

17/05/2005

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X,P	<p>DATABASE INSPEC 'Online! THE INSTITUTION OF ELECTRICAL ENGINEERS, STEVENAGE, GB; 26 January 2004 (2004-01-26), WADSWORTH W J ET AL: "Supercontinuum and four-wave mixing with Q-switched pulses in endlessly single-mode photonic crystal fibres" XP002326463 Database accession no. 8041029 the whole document</p>	1-20
X,P	<p>& Optics Express Opt. Soc. America USA, vol. 12, no. 2, 26 January 2004 (2004-01-26), pages 299-309, ISSN: 1094-4087 the whole document</p>	1-20
X,P	<p>----- WADSWORTH W J ET AL: "Compact supercontinuum generation and four-wave mixing in PCF with 10ns laser pulses" LASERS AND ELECTRO-OPTICS, 2004. (CLEO). CONFERENCE ON SAN FRANCISCO, CA, USA,IEEE, vol. 2, 20 May 2004 (2004-05-20), pages 37-38, XP010744482 ISBN: 1-55752-777-6 the whole document</p>	1-20
A	<p>----- PROVINO L ET AL: "Compact broadband continuum source based on microchip laser pumped microstructured fibre" ELECTRONICS LETTERS, IEE STEVENAGE, GB, vol. 37, no. 9, 26 April 2001 (2001-04-26), pages 558-560, XP006016516 ISSN: 0013-5194 the whole document</p>	1-3,5,7, 10-20
A	<p>----- DE 102 20 871 A1 (RHEINISCHE FRIEDRICH-WILHELMS-UNIVERSITAET BONN) 20 November 2003 (2003-11-20) paragraphs '0005!', '0011!', '0013!; claims 1,8,9,14; figures 1-5</p>	1,7,20
A	<p>----- SEEFELDT M ET AL: "Compact white-light source with an average output power of 2.4 W and 900 nm spectral bandwidth" OPTICS COMMUNICATIONS, NORTH-HOLLAND PUBLISHING CO. AMSTERDAM, NL, vol. 216, no. 1-3, 1 February 2003 (2003-02-01), pages 199-202, XP004404801 ISSN: 0030-4018 the whole document</p>	1-3,7-9, 17,20
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>WO 01/86347 A (THE UNIVERSITY OF BATH; BIRKS, TIMOTHY; WADSWORTH, WILLIAM, JOHN; RUSS) 15 November 2001 (2001-11-15) page 3, line 4 - page 8, line 16; figures 5,6,8</p> <p style="text-align: center;">-----</p>	1,7,8,20

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/053653

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
DE 10220871	A1	20-11-2003	AU	2003233305 A1	11-11-2003
			WO	03096116 A1	20-11-2003
WO 0186347	A	15-11-2001	AU	5240001 A	20-11-2001
			EP	1279065 A1	29-01-2003
			WO	0186347 A1	15-11-2001
			US	2004028356 A1	12-02-2004